Mohave

County

Miner.

VOL. XXVII.

KINGMAN, ARIZONA, SATURDAY, APRIL 17, 1909.

Big Electric Plant for Homestake.

capacity will be 5,000 horse power.

and the codult provided will have a and thus, for the entire distance from the intake to the plant, a distance of between five and six miles, the creek bed will be dry, except for the water that comes into it from tributaries and drainage from the draws that come into the canyon. The company takes the water from the creek on its own ground, carries it to the plant, still on its own holdings, and returns it to the creek on Homestake ground. It is the intention to have the conduit with a concrete bottom for the entire distance

The water will be brought the entire distance from the intake to the plant, between five and six miles underground, and a series of eight tunnels will be required. These tunnels will vary in length from 2,000 to 4,000 feet, the longest being a little over 4,000 feet, and the length of time required for completing the entire work is gauged by the length of time which it will take to complete the tunnel work. Although there are to be eight tunnels and work will go on from both ends of each tunnel, yet it will not require 16 machines. The plan to be interesting. A machine placed between two tunnels will drill one day, say, the south end of tunnel No. 2; the next day the waste will all be removed | new era in mining - Mining World. from this place, and while this is being done the drill will be backed up and commence drilling at the north end of tunnel No. I. In this way economy of time, labor and machines will be effected, and the work can be will be effected, and the work can be a large on its property at Las Veyas exerctlying that it loose and not too large to the end in the ground, the significant to the end in the ground, the significant to the end in the ground, the significant to the end in the ground, the air having a pressure of 20 pounds there is a loose and not too large to the end in the ground, the significant to the end in the ground, the air having a pressure of 20 pounds there is significant to the end in the ground, the air having a pressure of 20 pounds there is a loose and all their possible to the end in the ground, the air having a pressure of 20 pounds the air having a pressure of 20 pounds the end in the ground, the air having a pressure of 20 pounds the air having a pressure

seen when it is noted that the Home- ment, sluicing or amalgamation. stake company has 1,000 stamps drop- A subsidiary company is being horse power to the stamp.

system which the company constructed Vegas Wash, across the river in Moa few years ago at a cost of 1,000,000%, have county. Arizona, at a cost of this will be the largest single piece of 30,000\$.

Tunneling Machines.

cassful tunnel boring machines have constitute the directors. been numerous, with but very few The Colorado River has long been the simplest treatment," says the Chiexceptions the machines have not known to be rich placer digging and cago Tribune, "moderative laxatives, reached that stage of development since 1849 is said to have cut through, hot baths, a free perspiration and an demonstrated, and the mining public of mineral ground. It is estimated after treatment." While this treatis still waiting patiently for the ful- that the placers contain over 500,000,- ment is simple, it requires considerfilment of oft-repeated promises. Soc- 0008.

cass, now, however, seems near.

given a trial near Boulder, Colo., and Bulletin.

a Sigafoos machine of like size has Deadwood, S. D., April 5.—Work on been operated at Georgetown, Colo. a million dollar electric plant which Both have demonstrated that they can the Homestake company is to build cut rock. It now remains to be shown year and a half for its completion, annoyance from breakdowns, both in The waters of Spearfish creek will loss of time and in high expense for miles below Savoy (Spearfish falls), jarring. One of the serious problems present being made ready for opera- ver Belt. width of 7 feet and a depth of 6 feet, idly and completely, as any accumula-It is the intention to turn all of the tion at the face would interfere with undertaking this year, for the Canad interested with Alex Sears, J. H. waters of the creek into this coduit, the operation of the machine. The in- ian Pacific railway, Southern Pacific Bates, Frank Harbin and S. D. Garventors of the various machines have of these provisions is as yet an unthe tests of the Sigafoos machine. and weaknesses in design must be expected, but, unless these are due to ience will teach how they may be cor-

The field of usefulness open to successful tunneling machines is wide, should their performance prove to be all or even a fraction of what is claimed for them by their investors and promoters. So far nothing but estimates based on hopes and guess work are to he had regarding cost of machine tunnel driving, but even should the cost prove to be greater than expected it might not prove prohibitive. Some of the claims for machine tunneling over us d in operating these machines is the present method of drilling and blasting are greater speed, lower cost and greater safety. The practical working out of the problem means a

Seeking Gold in River Bed.

ping and will allow two and a half formed, the Arizona Excelsior Dredging Co., which will put a dredger on

dent and general manager; D. F. Dog- a cure. gett, treasurer, and H. J. Meyers, sec-Although attempts to produce suc- retary. The above with G. L. Bennett

where their practicability could be eroded and broken down great amounts avoidance of exposure to cold and wet

Two machines the Karns and the since 1848 amounts to 1,875,513,6918, or a fresh cold is almost sure to be Sigafoos-have reached the stage exclusive of the three months of 1909, contracted, and in many instances where practical demonstrations are in of which 28 per cent came from the pneumonia follows. Is it not better order and sufficient financial backing placers. 18,000,000\$ of this was pro- to pin your faith to an old reliable has been obtained to give them doced last year and approximately 5,- preparation like Chamberlain's Cough 040,0008, it is claimed, resulted from Remedy, that is famous for its cures An 8-ft. Karns machine was recently the operation of dredges. Searchlight of colds and can always be

Electricity Replaces Steam.

This year will witness the first important step to be taken by any of the overland roads in this state in the use is to be able to remove the muck rap- tion by a steam road, it by no means covers all the important work to be system, C. M. & St. P. railway are all dom in the recent rich gold strike, provided for many of the difficulties contemplating conversion of their situated in the Dripping Springs range that may arise, but the effectiveness power from steam to electricity. It is of mountains, about 8 miles due east now said that the greater portion of of Burns railroad station, returned known quantity. The mucking questhe mountain divisions of the last Saturday from a visit to the property, tion is now the interfering factor in named company's road will be operat- and is very enthusiastic over the find. ed by electric power from the start. He was accompanied to the claims by This problem, however, is purely me- It is quite likely that future demands Engineer Reynolds, one of the Gugenchanical and its solution should not on the coal measures for transporta- heim field experts, and the latter, afprove insurmountable. As with all tion power purposes in this state at ter going over the 12 claims the boys untried inventions trouble from defects least will diminish rather than grow have located, expressed great confihereafter. The increasing cost of coal dence in the future of the property. production, competition for business, incorrect principles, practical exper- exactions of the public for better service at lower cost, will compel this the general formation in which the change in power generation.-Spokane Northwest Mining News.

New Air Suction Dredger.

fugal power dredger, now demonstrating its prowess at McKinley park, Sac-Henry, a Tonopah mining man, will revolutionize placer mining.

with the owner of the plant, and is here now to look up placer ground from this material shows free gold. that will pay to work by that device. Some of the specimens are phenomi-He intends to visit Manhattan and nally rich. The boys have named their Round Mountain at once.

"The device works somewhat on the principle of a suction carpet cleaner," said Captain Henry. "It consists of a 12-inch casing, shaped like a stove-The Empire Gold Dredging Co. of pipe. Inside of it is a small pipe cardone by nine machines. A dozen how- place on its property at Las Vegas everything that it loose and not too time to uncovering the yellow riches. ever, have been ordered and are now Wash, on the Colorado river, Lincoln large to come up through the casing County, Nevada, to operate 300 acres, into sluice boxes. About two miners' from the house tops.-Florence Blade. By bringing the water a distance of of which it owns 1440 there, besides inches of water is required to loosen nearly six miles, a fall of 700 feet will 340 acres at Laguna Dam, Yuma counthe material. It is practically a plan be accomplished and the water will ty, Arizona, an estimated total of 80,- of excavation and hoisting dirt by air be brought down in a pressure pipe to 000,000 yards of workable gravel. The pressure. It cleans the bedrock perthe works. The line from the plant gravel, according to Secretary Meyer feetly, better than you would do with to Lead will be approximately 12 miles runs from 15 cents to 50 cents a cubic a broom, taking every particle out of long, and will be so constructed as to yard with an average of 25 cents con- the crevices. The boulders, which prevent any unnecessary loss of power tinuous. The placer deposits at La- you do not want anyway, it leaves, in the transmission. The power when guna dam, tested by test pits, runs but it takes all the loose material brought into Lead will be used in the from 22 cents to 70 cents a cubic yard. from them, leaving them perfectly mills, machine shop, foundry, pattern The cost of handling is 61-2 cents per clean. It will sink 60 feet in one hour, shop, regrinding plant, the two sand cubic yard. The gravel is from twenty and many places in 20 minutes, handplants and the slimes plant. Some to thirty feet deep, free gold, clean ling 500 tons of dirt a day. A 25 horse idea of the amount of power will be and easily secured by ordinary treat- power engine, using distilate, runs the plant."

"Laying on of hands" for complaints, especially in children, is now taking the place of Christian Science. With the exception of the water 640 acres of Empire ground at Las A mother cured her boy of the cigarette habit with one dose. She laid her left hand on the boy's neck, her right hand on one substantial slipper, work ever undertaken by the Home- The Empire's officers are A. B. Call, and then laid the slipper where it president; J. R. McDonald, vice-presi-would do the most good. It effected

Best Treatment for Colds.

"Most ordinary colds will yield to able trouble, and the one adopting it The gold production of California must remain in doors for a day or two, upon? For sale by H. H. Watkins.

Churn Drills at Globe.

Two churn drills are to be used to prospect the Inspiration ground. Consulting Engineer Krumb is at the propwill commence in about 30 days, it is that they can stand up to the work of electricity for the hauling of rail- erty and will remain to see the drills announced, and estimates allow one for long periods of time without serious road trains. The Great Northern will installed. The Inspiration Co. has bave completed the electric installa- done a large amount of preliminary tion now under way to supply elec- work, such as the construction of furnish the power for this plant, which repairs. It is not sufficient that a tun- tricity for haulage of trains through roads and trails, and has erected a will be capable of carrying a load of neling machine be able to cut rock or the Cascade tunnel thereby eliminat-number of buildings for the company's 7.000 horse power and whose minimum pound it to powder. It must be able ing the danger which has heretofore use and for the accommodation of its to remain in practically continuous menaced human life in the passage employees. The Keystone, which ad-The plant will be located on the operation for days and weeks at a time through the three-mile long bore, joins the Inspiration on the south, is banks of the Spearfish, about half a under all sorts of conditions that With a three-phase system, down under bond to the General Developmile below the present power house may be met in tunnel work. It must grade trains are expected to return a ment Co. For several months prosowned by the company, and will be as cut through soft rock and hard rock part of the energy to the line, thereby pect work has been carried on with modern in all of its equipment and as and rocks with streaks of unequal assisting in pulling up-grade trains to churn drills, with satisfactory results, complete as it is possible to make a hardness. It must be of strong con- the summit of the divide. While this the sulphide deposit having been penplant. The intake will be some four struction to withstand the continual is the most important installation at etrated at several points. - Globe Sil-

> Under Sheriff Phil Grigsby, who is He was particularly pleased with the character of the ore, vein material and veins lie. He states that every favorable condition that could be desired was present. The main vein has been cut and exposed to a depth of 100 feet Tonopah, Nev., April 6 .- A centri- by erosion where it protrudes from the vertical side of the mountain. At the surface of the bluff it shows a width ramento, according to Captain O, of only a few inches, but gradually widens till at the base of the bluff it is fully ten feet wide, says Mr. Grigsby. Captain Henry has become associated The gangue is a heavy, compact oxide of iron and every piece of ore broken property the Gold Bluff group, and it is well named. They are now busy completing their location work and will follow this by active development work on the main ledge. They are without wasting any lung power in shouting the news of their discovery

ARTICLES OF INCORPORATION

Oro Lava Mining Company.

That we, the understanced hereby adopt the following articles of incorporation for the purpose of forming a corporation under the laws of Arronna.

pess of forming a corporation under the laws of Arizona.

Finest: The name of the corporation shall be Oro Lava Mining company. The principal office of said corporation in Arizona shall be at Kingmin. But said corporation shall have an office at New York, in the state of New York, or at such other pince or places outside of Arizona as the by-laws shall provide, where the books of the corporation may be kept, all stockholders' and directors' meetings held, and all corporate business transacted. corporate business transacted,

corporate business transacted.

Saconu: The general nature of the business to be transacted by this corporation is as notlows: To in any manner and in any place, as principal agent trustee or otherwise, acquire, deal in or dispose of, all kinds of real and perdeal in or dispose of, all kinds of real and per-sonal property, including mines, mining chains, oil minds, coal lands, gas lands, or any of the pro-ducts thereof, water, water rights and machin-er, and to work and to work mine, explore and develop the same; to acquire and dispose of shares of capital stock and bonds of other cor-porations, to borrow money, and to execute notes, bonds, mortgages or other evidences of indebtedness; to make all contracts and to ex-ercise all rights in respect to the above kinds of property that a natural person could or might make or exercise.

Thus my The capital stock of this corporation

make or exercise.

Thind: The capital stock of this corporation shall be One Million Dollars, (\$1,00,000, divided into One Million shares of the par value of One Dollar (\$1.) each, At such time as the Board of Directors may direct, said stock shall be paid up in cash, property, services or other thing of value and the judgment of the directors as to the value thereof shall be final, All said stock, when issued, shall be and become puls build and forever non-assessable. fully paid and forever non-assessable

FOURTH: The commencement of this cor-poration sinal be the date of the filing of these articles according to law and the termination thereof shall be twenty-live years thereafter, with privileges of renewal for like periods per-petually.

petually.

Fifth: The adairs of this corporation shall be conducted by a Baard of not less than three nor more than nine Directors, and the following named shall constitute the Board of Directors until their successors are elected: if, E. Williste, J. P. Ryan, J. B. Sperry, J. B. Coe. Thereafter the Board of Directors shall be elected from among the stockholders at the annual stockholders' meeting to be held on the second the other shall be elected to the second of the corporation until their successors are elected shall be H. E. Williste, President: J. P. Ryan, Vice-President: J. E. Coe, Secretary and Trensurer.

Secretary and Treasurer.

Sixth: The highest amount of indebtedness, direct or contingent, to which this corporation is at any time to subject itself shall be \$50,000. SEVENTH: The private property of the stockholders and the officers of this corporation shall be exempt from all corporate debts.

In witness whereof, we have hereunto set our hands and seals this fath day of January, 1900.

H. E. WILLESIE, Seal)

J. B. SPERRY. (Seal)

STATE OF NEW YORK | SS County of New York | SS County of New York | Before me, Wanser S. Thayer, a notary public in and for said County and State, on this day personally appeared H. E. Williste and J. B. Sperry, to me known to be the persons who subscribed to the foregoing instrument, and acknowledged to me that they executed the same for the purposes and consideration there in expressed

Given under my hand and seal of office this is the day of January, A. D. 19.8. my hand and murry. A D. 19.9.
WALTER N. THAYER.
Notary Public.
With day

My commission expires on the 30th day of March A. D. 1910. Certificate filed in New

By Marie Carrow.
Deputy.
First insertion March 20—April 24

